


ORIGINAL



REVISION NO.

Project No. A-3481 GTR 101 DATE 3-17-83

Project Director: D. K. Plummer School/Lab: SEL

Sponsor: Cubic Defense Systems, 9333 Balboa Avenue,
San Diego, Ca 92123

Type Agreement: Purchase Order / Subcontract No. D-29803

Award Period: From 2-9-83 To 4-15-83 (Performance) 4-15-83 (Reports)

Sponsor Amount: Total Estimated: \$ 15,000 Funded: \$ 15,000

Cost Sharing Amount: \$ None Cost Sharing No: _____

Title: Assistance To Cuban Defense Systems

ADMINISTRATIVE DATA

OCA Contact: Don Adams

1) Sponsor Technical Contact:
Mr. Larry Williams
Sr. Technical Specialist

2) Sponsor Admin/Contractual Matters:
Mr. Bryan C. Gannon
Subcontract Administrator

Above address

above address

(714) 277-6780

(714) 277-6780

Defense Priority Rating: N/A

Military Security Classification: N/A
(or) Company/Industrial Proprietary: _____

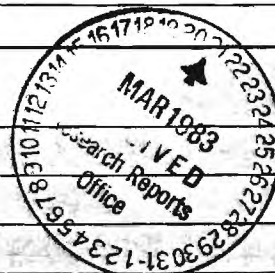
RESTRICTIONS

See Attached N/A Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval – Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with N/A none proposed

COMMENTS:



COPIES TO:

Research Administrative Network
Research Property Management
Accounting
Procurement/EES Supply Services

Research Security Services
~~Reports Coordinator (OCA)~~
GTRI
Library

Research Communications (2)
Project File
Other _____
Other _____

SPONSORED PROJECT TERMINATION/CLOSEOUT SHEET

2-1
SP 625

Date 6/28/85

Project No. A-3481 ~~XXXXX~~ School/Lab SEL

Includes Subproject No.(s) None Indicated

Project Director(s) D. Plummer GTRC / ~~GT~~

Sponsor Cubic Corporation - Sub Contract/P.O.

Title Proposal for Assistance to Cubic Defense Systems

Effective Completion Date: 4/15/83 (Performance) 6/12/83 (Reports)

Grant/Contract Closeout Actions Remaining:

- ☐ None
- ☒ Final Invoice or Final Fiscal Report
- ☐ Closing Documents Not Required AS no Gov't. Prime is indicated.
- ☒ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other _____

Continues Project No. N/A Continued by Project No. N/A

COPIES TO:

Project Director
Research Administrative Network
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Accounting
Procurement/GTRI Supply Services
Research Security Services
Reports Coordinator (OCA)
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Project File
Other A. Jones; M. Heyser

ENGINEERING EXPERIMENT STATION
Georgia Institute of Technology
A Unit of the University System of Georgia
Atlanta, Georgia 30332

23 March 1983

CUBIC Defense Systems
9333 Balboa Avenue
San Diego, CA 92123

Attn: Mr. Larry Williams
Sr. Technical Specialist

References: 1.) CUBIC Purchase Order/Subcontract No. D-29803
2.) CUBIC Statement of Work for OBEWS Proposal Support,
3 February 1983
3.) Georgia Tech Research Institute Research Project Agreement,
10 March 1983, Item 7, Monthly Letter Report, Project
A-3481

Gentlemen:

This Monthly Letter Report is submitted in accordance with terms of the referenced documents; for convenience, this report covers the period from 2/9/83 to 3/11/83.

1.0 REPORT OF TECHNICAL SUPPORT ACTIVITY

1.1 Project Initiation

Project activity was initiated on 9 February 1983 at a planning meeting held at the Georgia Tech Research Facility-Cobb County. Attending were Mr. Larry D. Williams, CUBIC Defense Systems, and Georgia Tech-Engineering Experiment Station (GT-EES) personnel Mr. D. K. Plummer, Mr. R. K. Trussell and Mr. L. D. Holland, all members of the ESM Division of the Systems Engineering Laboratory.

1.2 USAF Briefing

Mr. R. K. Trussell accompanied Mr. Larry Williams to Eglin AFB, Florida, and attended two briefings on 10 February 1983 given by USAF personnel on a.) F-16 aircraft and b.) ALR-69 characteristics, relevant to the On-Board EW Simulator (OBEWS) Program

1.3 OBEWS Phase I Proposal Preparation

Project personnel Plummer and Trussell generated technical draft material and collected descriptive information on the GT-EES organization,

related projects, personnel qualifications, facilities and past performance on the five most recent projects similar to OBEWS. They carried these materials to CUBIC's San Diego offices where, in the period 22-25 February, they generated additional written inputs for the OBEWS proposal volumes, and interacted with CUBIC and COMARCO personnel designated to participate in the OBEWS Phase I-Study Program. Mr. Plummer returned to San Diego for review of the proposal drafts in the period 8-11 March.

1.4 Status of Technical Support Activity

All technical support required for the OBEWS Phase I proposal has been provided.

2.0 PROJECT FINANCES

As of 28 February 1983, the financial status of the project was as follows:

<u>Category</u>	<u>Authorized Amount</u>	<u>Expenditures 9-28 Feb.</u>	<u>Balance 3/28/83</u>
Personal Services	\$ 4,555	\$ 2,046.36	\$ 2,508.64
Fringe Benefits @ 21%	957	428.23	528.77
Materials and Supplies	1,346	---	1,346.00
Travel	3,332	---*	3,332.00*
Overhead @ 47.2%	<u>4,810</u>	<u>1,168.01</u>	<u>3,641.99</u>
TOTALS:	\$15,000	\$ 3,642.60	\$11,357.40

*Travel expense reports submitted; costs will appear in next monthly statement.

3.0 PLANS

The total GT-EES effort required to complete the technical support of the OBEWS Phase I Proposal has been somewhat less than allowed for;

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23 March 1983
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thus any balance of authorized funds not spent as of 31 March can be applied to other tasks mutually agreed to by CUBIC and GT-EES, or the account can be closed out effective 15 April 1983.

Respectfully submitted,

D. K. Plummer
Project Director

DKP/djs

cc: R. P. Zimmer, Director, Systems Engineering Laboratory
L. D. Holland, Chief, ESM Division
Project File

CUBIC Defense Systems
22 April 1983
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Respectfully submitted,

D. K. Plummer
Project Director

DKP/djs

cc: R. P. Zimmer, Director, Systems Engineering Laboratory
L. D. Holland, Chief, ESM Division
Project File

ENGINEERING EXPERIMENT STATION
Georgia Institute of Technology
A Unit of the University System of Georgia
Atlanta, Georgia 30332

25 May 1983

CUBIC Defense Systems
9333 Balboa Avenue
San Diego, CA 92123

Attn: Mr. Larry Williams
Sr. Technical Specialist

Reference: CUBIC Purchase Order/Subcontract No. D-29803

Gentlemen:

This is the third Monthly Letter Report to be submitted under the referenced subcontract, and covers the period 4/1/83 to 4/30/83.

1.0 REPORT OF TECHNICAL SUPPORT ACTIVITY

The project has been dormant during the reporting period, pending announcement of contract awards by USAF, expected by 5/31/83.

2.0 PROJECT FINANCES

As of 30 April 1983, the financial status of the project was as follows:

<u>Category</u>	<u>Authorized Amount</u>	<u>Expenditures 1-30 April</u>	<u>Previous Balance</u>	<u>Balance 4/30/83</u>
Personal Services	\$ 4,555	\$ 311.56	\$ 736.79	\$ 425.23
Fringe Benefits @ 21%	957	63.87	157.45	93.58
Materials and Supplies	1,346	--	1,298.75	1,298.75
Travel	3,332	1,729.85	3,384.14	1,654.29
Overhead @ 47.2%	<u>4,810</u>	<u>294.19</u>	<u>1,933.22</u>	<u>1,639.03</u>
TOTALS	\$15,000	\$2,399.47	\$7,510.35	\$5,110.88

3.0 PLANS

Any further activity will be as determined following the USAF announcement of awards.

Respectfully submitted,

DKP/djs
cc: R. P. Zimmer
L. D. Holland
Project file

D. K. Plummer
Project Director



ENGINEERING EXPERIMENT STATION
Georgia Institute of Technology
A Unit of the University System of Georgia
Atlanta, Georgia 30332

14 June 1983

CUBIC Defense Systems
9333 Balboa Avenue
San Diego, CA 92123

Attention: Mr. Larry Williams
Sr. Technical Specialist

Reference: CUBIC Purchase Order
Subcontract No. D-29803

Gentlemen:

This is the fourth and final Monthly Letter Report to be submitted under the referenced subcontract, and covers the period May 1 to June 13, 1983.

1.0 REPORT OF TECHNICAL SUPPORT ACTIVITY

The project continued dormant pending the announcement of contract awards by USAF on 5/31/82; three awards to other organizations were announced.

2.0 PROJECT FINANCES

As of 31 May 1983, the financial status of the project was as follows:

<u>Category</u>	<u>Authorized Amount</u>	<u>Expenditures 1-31 May</u>	<u>Previous Balance</u>	<u>Balance 5/31/83</u>
Personal Services	\$ 4,555	0	\$ 425.23	\$ 425.23
Fringe Benefits @ 21%	957	0	93.58	93.58
Materials and Supplies	1,346	0	1,298.75	1,298.75
Travel	3,332	0	1,654.29	1,654.29
Overhead @ 47.2%	<u>4,810</u>	<u>0</u>	<u>1,639.03</u>	<u>1,639.03</u>
TOTALS	\$15,000	0	\$5,110.88	\$5,110.88

3.0 PLANS

In view of the OBEWS decision, CUBIC's and Georgia Tech's project engineers concurred (by telecon, 6/13) that activity on this project be halted and the current contract terminated.

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4.0 RETURN OF DOCUMENTS

We are returning, under separate cover, with thanks, the following documents provided by CUBIC for use by GT-EES:

1. "Proposal for an Electronic Warfare Simulation Demonstration System", 13 June 1980, Document P-80055
2. "Radar Warning Receiver Enhancement for Air Combat Training", 8 April 1982, Document P-82041
3. "TACTS RWR EW Training System - Development Specification", 2 August 1982, Contract N00019-80-C-0454
4. "TACTS/ACMI", (R)1180-CON

5.0 ACKNOWLEDGEMENT

It has been a distinct pleasure for Georgia Tech-EES to have worked with the professional personnel of CUBIC Defense Systems; while our team was not selected to perform the OBEWS system development, you and we can take pride in having proposed a very promising concept whose day might yet come.

Thank you for including us in your team; we will be happy to discuss other joint efforts of mutual interest in the future.

Sincerely,

David K. Plummer
Project Director
Systems Engineering Laboratory

DKP/djs

cc: R. P. Zimmer
L. D. Holland
Project File